

Datasheet for ABIN500391

anti-NDEL1 antibody (N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	NDEL1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDEL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Nudel antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human Nudel.
Isotype:	IgG
Specificity:	This antibody detects NDEL.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	NDEL1
Alternative Name:	NDEL (NDEL1 Products)

Target Details

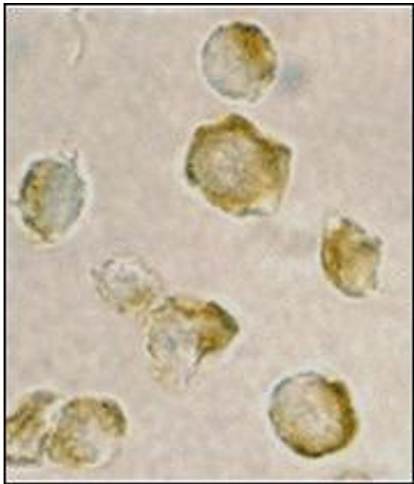
Background:	Nudel was initially discovered as a protein homologous to Aspergillus NUDE and that associated with Lis1 and polyprotein complex cytoplasmic dynein, both of which have been linked to neuronal development and migration (1,2). It was later shown to be a substrate of cdk5, a kinase known to be critical during neuronal migration, phosphorylation of Nudel by cdk5 affects its localization in neurons and affects neuritic morphology (1,3). It is thought that together with Lis1, Nudel regulates cytoplasmic dynein, a large polyprotein complex, in neuronal migration and mitosis through direct interactions (4). Similar interactions are thought to also play a role in membrane traffic in other cells as disruption of Nudel expression through RNA interference perturbed normal endomembrane flux and resulted in the fragmentation of the Golgi apparatus (3).Synonyms: EOPA, MITAP1, NUDEL, Nuclear distribution protein nudE-like 1
Gene ID:	81565
UniProt:	Q9GZM8
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

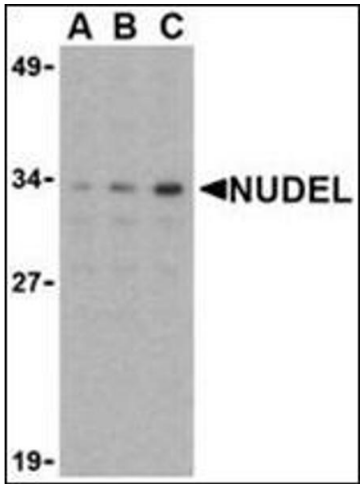
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of Nudel in Jurkat cells with this product at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of Nudel in Jurkat whole cell lysate with this product at (A) 0.5, (B) 1, or (C) 2 µg/ml.